

Report Date: 11 Dec 2013

**Summary Report for Individual Task
052-204-1212
Operate a Bucket/Material Handler Truck
Status: Approved**

DISTRIBUTION RESTRICTION: Approved for public release; distribution is unlimited.

DESTRUCTION NOTICE: None

Condition: As a Power Line Distribution Specialist in a tactical or nontactical environment (when maintenance, repairs, or new installation is needed for an overhead electrical-distribution system), you are given a bucket/material handler truck with auxiliary equipment, ground guides, a safety harness, the applicable technical or service manual for the particular truck with auxiliary equipment that is being operated, and applicable personal protective equipment (PPE). This task should not be trained in MOPP.

Standard: Operate a bucket/material handler truck with auxiliary equipment by using the primary and secondary controls to move the bucket into a position to safely perform line work. Operate the auxiliary tools and equipment safely and in the proper application as specified in the applicable technical or service manual.

Special Condition: None

Safety Level: Low

MOPP: Never

Task Statements

Cue: None

DANGER

NEVER LIFT ANY OBJECTS WITHOUT A GROUND GUIDE TO ASSIST IN FINDING THE LOCATION OF THE ITEMS BEING LIFTED AND ANOTHER GROUND GUIDE TO HELP ENSURE THAT THE OBJECT DOES NOT BEGIN TO SWAY OUT OF CONTROL. FAILURE TO COMPLY MAY CAUSE DAMAGE TO EQUIPMENT AND RESULT IN IMMEDIATE DEATH OR PERMANENT INJURY.

WARNING

BEFORE MOVING ANY BUCKET AND/OR LINE TRUCK, THE OPERATOR MUST PERFORM ALL PREVENTIVE-MAINTENANCE CHECKS AND SERVICES (PMCS) AND BE LICENSED ON THE EQUIPMENT OR HAVE A LICENSED DRIVER IN THE VEHICLE CAB TO ENSURE THAT CORRECT OPERATING PROCEDURES ARE FOLLOWED. FAILURE TO COMPLY MAY CAUSE IMMEDIATE PERSONAL INJURY OR SEVERE DAMAGE TO EQUIPMENT.

CAUTION

None

Remarks: All required Prime Power specific references and technical manuals will be provided by the local Prime Power Command.

Notes: For different bucket trucks or line trucks, consult the applicable technical or service manual for correct operation of the controls. Before using any bucket and/or line truck near energized lines, ground the truck chassis for safety.

Performance Steps

1. Prepare a bucket and/or a line truck for operation.

a. Position the truck.

(1) Park the truck as close as possible to the location of the work being performed.

(2) Perform the work on the uphill side of the truck, if parked on a slope.

b. Set up the truck for operation.

(1) Engage the emergency brake.

(2) Engage the power take-off (PTO).

(3) Transfer the controls from the truck to the machine.

(4) Lower the outriggers.

(5) Free the aerial lift boom for movement.

(6) Don the proper safety gear.

2. Operate the bucket truck boom using the primary and secondary controls, paying close attention to the ground guide's hand-and-arm signals.

a. Raise to proper safe working height.

b. Rotate bucket into position maintaining safe work clearances.

3. Operate the auxiliary equipment on the bucket/material handler truck.

a. Operate the jib safely and IAW manufactures literature.

b. Operate the hydraulic tools safely and IAW manufactures literature.

4. Secure the bucket/material handler truck.

a. Descend and store the boom in the cradles.

b. Secure all the loose gear.

c. Raise and store the outriggers.

d. Secure the boom.

e. Cover the bucket(s).

f. Turn the truck and machine switch to the truck position.

g. Disengage the PTO.

h. Release the emergency brake before moving the truck.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all performance measures are passed (P).
Score the Soldier NO GO if any performance measure is failed (F).
If the Soldier scores NO GO, show the Soldier what was done wrong and how to do it correctly.

Evaluation Preparation: Provide the Soldier with all the items listed in the conditions. Give the Soldier a safety briefing before starting, and ensure that all safety precautions are followed. Prepare the area and equipment in advance to ensure that the task standards can be met.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Prepared a bucket/material handler truck for operation.			
2. Operated the bucket truck boom using the primary and secondary controls, paying close attention to ground guide's hand-and-arm signals.			
3. Operated the auxiliary equipment on the bucket/material handler truck.			
4. Secured the bucket/material handler truck.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 385-10	The Army Safety Program (*RAR 004, 10/04/2011)	No	No
	EM 385-1-1	Safety and Health Requirements.	No	No
	LCH	The Lineman's and Cableman's Handbook, 11th Edition, McGraw-Hill. 2007	No	No
	TM 5-684	Facilities Engineering - Electrical Exterior Facilities. NAVFAC MO-200/AFJMAN 32-1082.	No	No
	TM 5-811-1	Electric Power Supply and Distribution {AFJMAN 32-1080}	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

For classroom instruction:

No major environmental impact, training entirely of an administrative or classroom nature, with little or no environmental impact on the environment, equipment or personnel. [32 CFR Part 651, Appendix B, Section II, (i)(2)]

For practical exercises and demonstrations:

Instructors should complete a risk assessment before conducting training, operations, or logistical activities. Risk assessments assist instructors in identifying potential environmental hazards, develops controls, make risk decisions, implement controls, and ensure proper supervision and evaluation. FM 3-100.4, Environmental Considerations in Military Operations.

Safety: In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat

category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
052-204-1203	Perform Operator Preventive-Maintenance Checks and Services (PMCS) on a Bucket/Material Handler Truck	052 - Engineer (Individual)	Approved

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
052-204-1203	Perform Operator Preventive-Maintenance Checks and Services (PMCS) on a Bucket/Material Handler Truck	052 - Engineer (Individual)	Approved
052-204-2303	Perform Primary Voltage Live-Line Testing	052 - Engineer (Individual)	Approved
052-204-3015	Supervise the Sagging of Overhead Conductors	052 - Engineer (Individual)	Approved
052-204-1202	Maintain Rigging/Hoisting Equipment	052 - Engineer (Individual)	Approved
052-204-3016	Supervise the Stringing of Overhead Conductors	052 - Engineer (Individual)	Approved
052-204-2220	Supervise the Mechanical Erection of a Utility Pole	052 - Engineer (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
052-204-1116	Rescue an Injured Victim From an Aerial-Bucket Truck	052 - Engineer (Individual)	Approved
052-204-2217	Manage a Power Line Crew	052 - Engineer (Individual)	Approved
052-204-2304	Perform Secondary Voltage Live-Line Testing	052 - Engineer (Individual)	Approved
052-204-2303	Perform Primary Voltage Live-Line Testing	052 - Engineer (Individual)	Approved
052-204-2305	Trouble Shoot Primary/Secondary Voltage Systems	052 - Engineer (Individual)	Approved
052-204-2307	Supervise the Installation of a Utility Pole Line	052 - Engineer (Individual)	Reviewed
052-204-2301	Perform Switching, Blocking and Tagging Procedures	052 - Engineer (Individual)	Approved
052-204-2302	Install Distribution System Protection and Equipment (Energized)	052 - Engineer (Individual)	Approved
052-204-1211	Install Distribution System Protection and Equipment (De-energized)	052 - Engineer (Individual)	Approved
052-204-2212	Energize an Electrical Distribution System	052 - Engineer (Individual)	Approved
052-204-2216	Perform Maintenance on Electrical Distribution Equipment	052 - Engineer (Individual)	Approved
052-204-1215	Splice a Medium-Voltage Overhead Power Cable	052 - Engineer (Individual)	Approved

052-204-2210	Secure Conductor to Insulator (Energized)	052 - Engineer (Individual)	Approved
052-204-1210	Sag Single Phase and Three Phase Overhead Conductors	052 - Engineer (Individual)	Approved
052-204-1209	String Single Phase and Three Phase Overhead Conductors	052 - Engineer (Individual)	Approved
052-204-1123	Secure Conductor to Insulator (De-energized)	052 - Engineer (Individual)	Approved
052-204-1126	Perform Crossarm Change Out (With Conductors)	052 - Engineer (Individual)	Approved
052-204-1121	Install High-Intensity Lights and Ballasts	052 - Engineer (Individual)	Approved
052-204-1120	Install a Grounding Set	052 - Engineer (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
05-3-5728	Assess Power Generation Systems for Damage	05 - Engineers (Collective)	Approved
05-3-5704	Perform Nonorganic Equipment Power Distribution Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5713	Perform a Power Distribution System Maintenance Survey	05 - Engineers (Collective)	Approved
05-3-5700	Install Nonstandard Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5729	Operate Power Generation and Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5731	Perform Electrical-Power, Distribution Equipment Organizational Maintenance Operations	05 - Engineers (Collective)	Approved
05-3-5703	Perform Electrical Safety Systems Testing and Maintenance	05 - Engineers (Collective)	Approved
05-3-5701	Install Low-Voltage, Electrical-Power Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5705	Retrieve Electrical-Power Generation and Distribution Equipment	05 - Engineers (Collective)	Approved
05-3-5725	Install Aerial Electrical Power Distribution Equipment	05 - Engineers (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
ASI U4, Power Line Distribution	Enlisted	MOS: 12P, ASI: U4
12Q10, Power Line Distribution Specialist, skill level 1	Enlisted	MOS: 12Q, Skill Level: SL1